

Appl. No. 10/633,589
Amendment dated January 25, 2005
Reply to Office Action of October 26, 2004

AMENDMENTS TO THE SPECIFICATION:

In accordance with 37 CFR §1.125, Applicants submit herewith a substitute specification. Applicants respectfully assert that no new matter has been added. Applicants also submit a marked copy of the substitute specification showing all changes made to the specification of record.

Please replace the Abstract with the following rewritten Abstract:

--[0001] ~~This~~ The present invention is related to a variable gain low noise amplifier ~~which is operated to the best operation of~~ that optimizes input matching, gain and noise characteristics, and linearity. The variable gain low noise amplifier according to an embodiment of the present invention includes a first amplifying cell that operates ~~operated~~ in a high gain mode, a second amplifying cell that operates ~~operated~~ in a low gain mode, a selectively matching circuit, and ~~first~~ a first short-circuit means. ~~It is provided to the~~ The variable gain low noise amplifier according to the present invention ~~for operating~~ selects the best operation in each gain mode so that the circuit operated in high and low gain modes is does not affect to a load ~~with each other~~ of another circuit. --